

Secuenciación de tercera generación:

JORNADAS CIENTÍFICAS Y TALLER DE ANÁLISIS DE DATOS

15 - 17 JULIO 2025

Edificio 0+∞, Ciudad Universitaria, Buenos Aires, Argentina



DAY 1 - TUESDAY JULY 15TH. 14:00 TO 15:00 - POSTER SESSION I GENOMICS

ID	TITLE	AUTHORS
1	A DIVIDE-AND-CONQUER APPROACH TO UNCOVER THE GENOMIC STRUCTURE OF THE HIGHLY VIRULENT RA STRAIN OF TRYPANOSOMA CRUZI	Virginia Balouz, Aldana Alexandra Cepeda Dean, Guadalupe Romer, Carlos Robello, Luisa Berná, Carlos Andrés Buscaglia
2	DIFFERENTIAL CHROMATIN ORGANIZATION AT TRANS SPLICING ACCEPTOR SITE FOR SINGLE AND MULTI-COPY GENE FAMILIES IN TRYPANOSOMATIDS	Romina Trinidad Zambrano Siri, Paula Beati, Lucas Inchausti, Pablo Smircich, Guillermo Daniel Alonso and Josefina Ocampo
3	GENETIC DIVERSITY ANALYSES IN ARGENTINA TO EVALUATE SHALLOW SEQUENCING FOR BIOBANKING IN UNDERREPRESENTED POPULATIONS [IN GENOMIC VARIATION CATALOGS]	Pierre Luisi, Marcelo Isidro Figueroa, Daniel Soria, Nicolás del Gobbo, Ezequiel Fernández, Claudio Bravi, Graciela Bailliet, Carina Francisca Argüelles, Marcos Miretti, José Edgardo Dipierri, Emma L. Alfaro Gómez, Angelina García, Virginia Ramallo, Rolando Gonzales-José, Julián Sánchez-Loria, Tomás Poklepovich, Hernán Dopazo
4	LARGE-SCALE ASSESSMENT OF SEQUENCE-DRIVEN ACTIVITY AND NOISE OF HUMAN CORE PROMOTERS	Martín Iungman, Maritere Uriostegui-Arcos, Ana Fiszbein, Ignacio Esteban Schor
5	GENOMIC DIVERSITY CHARACTERIZATION OF ARGENTINIAN JAGUARS	Pisciottano Francisco, Campos Maria Clara, Gabaldón Toni, Saragüeta Patricia
6	BENCHMARKING PANTHERA ONCA GENOMES: STRUCTURE, FUNCTION AND ACCURACY	Campos Clara, Pisciottano Francisco, Gabaldón Toni, Saragüeta Patricia
7	GENOME ASSEMBLY AND ANNOTATION OF A MALE PACU (PIARACTUS MESOPOTAMICUS): A NEW RESOURCE TOWARDS IDENTIFYING SEX-DIFFERENTIAL REGIONS	Posner, V.M.; Diaz Neto, S.T; Mascali, F.C.1 Rubiolo, J.; Villanova, G.VSaragüeta Patricia

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DAY 2 - WEDNESDAY JULY 16TH. 14:00 TO 15:00 - POSTER SESSION II TRANSCRIPTOMICS

ID	TITLE	AUTHORS
8	ALTERNATIVE POLYADENYLATION AT THE CROSSROADS OF ALARMONE SIGNALLING: UNVEILING A HIDDEN LAYER IN ARABIDOPSIS THALIANA	Aballay Federico Emanuel, Rodriguez Florencia Sol, Perez Dalmau Federico Gabriel, Tognacca Rocío Soledad, Petrillo Ezequiel
9	TSN PROTEINS INTEGRATE HYDROGEN SULFIDE (H ₂ S) SIGNALING INTO GENE REGULATION AND RNA-PROTEIN INTERACTION NETWORKS	Fontana C, Agrofoglio Y, Torres S, Née G, Staiger D, Iglesias MJ, Mateos JL
10	SINGLE-NUCLEI TRANSCRIPTOMIC PROFILING OF THE STRIATUM REVEALS CELL-TYPE-SPECIFIC MOLECULAR MODIFICATIONS IN A MOUSE MODEL OF PARKINSON DISEASE AND L-DOPA-INDUCED DYSKINESIA	Barbara Martinez, Chang Li, Yogita Sharma, Jenny Johansson, Anna Hammarberg, Claudio Schuster, Marcelo Marti, Juan Ferrario, Angela Cenci, Melina Bordone
11	SINGLE CELL TRANSCRIPTOMICS TO UNRAVEL THE GLIAL RESPONSE AFTER STRIATAL DOPAMINERGIC DENERVATION	Melina Bordone, Claudio Schuster, Chang Li, Yogita Sharma, Jenny Johansson, Anna Hammarberg, Marcelo Marti, Angela Cenci, Juan Ferrario
12	REGULATION OF P53 UNDER NUCLEOLAR STRESS BY THE ONCOPROTEIN MAGEB2 REVEALED BY TRANSCRIPTOMIC PROFILING	Candela Vidal, Micaela Escalada, Melisa Suberbordes, Martin Monte
13	TRANSCRIPTOMIC AND FUNCTIONAL ANALYSIS OF THE EFFECTS OF COMMONLY-USED HERBICIDES ON HUMAN CELLS: IMPLICATIONS FOR HEALTH	Mercedes García Carrillo, Tomás Lorusso, Calén Sansalone, Ezequiel Petrillo, Matías Blaustein
14	INTEGRATED GENOMIC ANALYSIS OF ENDOMETRIAL CANCER	Samira Künzler, Luciana Ant, María Clara Campos, Francisco Pisciotano, Patricia Saragüeta

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DAY 3 - THURSDAY JULY 17TH. 14:00 TO 15:00 - POSTER SESSION III METAGENOMICS

ID	TITLE	AUTHORS
15	CLIP ON: CLASSIFIER OF ICHTHYOFAUNA PIPELINE WITH OXFORD NANOPORE – A CUSTOMIZABLE PIPELINE FOR PARANÁ RIVER FISH MONITORING	Adriano Abbondanzieri, Victoria Posner, Kerly Galeth, Jackeline Ermini, Vanina Villanova, Juan Rubiolo
16	FLOODING EVENTS RESHAPE BACTERIOPLANKTON ASSEMBLAGES AND FUNCTIONAL PROPERTIES IN A HYPERTROPHIC SHALLOW LAKE (LAKE CHASCOMÚS, ARGENTINA)	Patricia Yong Macias, Marcela Ferraro, José Fernando Bustingorry, Roberto Escaray, María de los Ángeles González Sagrario, María E. Llamas
17	STUDYING MICROBIAL DIVERSITY IN ENVIRONMENTAL SAMPLES FROM THE PARANÁ RIVER DELTA USING ONT LONG-READ SEQUENCING TECHNOLOGY	Martin A.P., Ermini J., Galeth K., Posner V., Kolmakova O., Tanentzap A., Rubiolo J. and Villanova G.V

APPLICATIONS IN DISEASE DIAGNOSTICS

18	CHARACTERIZATION OF TRANSCRIPTIONAL HETEROGENEITY OF THERAPEUTIC TARGETS, MOLECULAR CLASSIFICATION AND TRANSCRIPTOMIC PROFILE FOR THE IDENTIFICATION OF PREDICTIVE BIOMARKERS IN PEDIATRIC B-CELL ACUTE LYMPHOBLASTIC LEUKEMIA USING LONG-READ SEQUENCING	Lucila Viappiani, Marina Luz Ingravidi, Geraldine Gueron, Javier Cotignola, María Sol Ruiz
19	WHOLE EXOME SEQUENCING IN HEARING LOSS: UNVEILING NON-SYNDROMIC MIMICS	Paula I Buonfiglio, Mariela V Pace, Sofia Grinberg, Vanesa Lotersztejn, Bibiana Paoli, Sebastián Menazzi, Ana Belén Elgoyhen, Viviana Dalamón
20	GENOMIC STUDY OF TREPONEMA PALLIDUM PALLIDUM REVEALS SYPHILIS CASES OF CO-INFECTION AND TPRK DIVERSITY IN BUENOS AIRES	Luciana N. Garcia, Nicole A.P. Lieberman, Nicolas Gonzalez, Andrés Rabinovich, Lorenzo Giacani, Alexander L. Greninger, Jaime Altcheh
21	TRANSCRIPTOMIC ANALYSIS OF IMMUNE CELLS FROM CHAGAS DISEASE PATIENTS REVEALS GENE EXPRESSION DIFFERENCES ASSOCIATED WITH CARDIOMYOPATHY, AT BASELINE AND UPON PARASITE-SPECIFIC ACTIVATION	Gonzalo Acevedo, Stephanie Studniberg, Lisa Ioannidis, Micaela Ossowski, Raúl Chadi, Marisa Fernandez, Yolanda Hernandez, Diana Hansen and Karina Gomez
22	GUT MICROBIOTA MODULATION FOLLOWING A LIFESTYLE INTERVENTION IN INDIVIDUALS WITH OBESITY, PREDIABETES, AND TYPE 2 DIABETES: A MULTI-OMICS APPROACH	Andrea L. Millán, Rosario Taussig, M. Constanza Pautasso, Ignacio Cassol, Mailén Rojo, Hernán Pérez, Gabriela Colls, Mercedes Mon Ratti, Juan P. Bustamante, Gustavo D. Frechtel